

## **Appendix U**

### **Vulnerability Assessment Form**

Type (circle one) Municipal/OTM/Non-Transient  
Population (circle one) <500 / >500.

Facility Name: \_\_\_\_\_

FID: \_\_\_\_\_

No. of Wells: \_\_\_\_\_

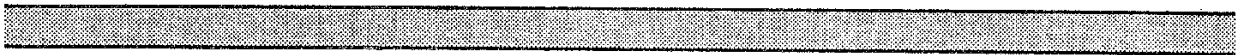
No. of Entry Points: \_\_\_\_\_

Assessor \_\_\_\_\_

|   | Well # | Well # | Well # | Well # | Well # |
|---|--------|--------|--------|--------|--------|
| UNIQUE WELL ID NUMBER   |        |        |        |        |        |
| CASING DEPTH  |        |        |        |        |        |
| <b>I. PESTICIDE AND INDUSTRIAL CHEMICAL VULNERABILITY</b>   |        |        |        |        |        |
| <b>A. WELL VULNERABILITY</b><br>(Any yes = vulnerable to pesticides <u>and</u> industrial chemicals)  |        |        |        |        |        |
| 1. Well casing terminates in unconsolidated formation without confining layer.  |        |        |        |        |        |
| 2. < 60 ft. of overburden   |        |        |        |        |        |
| 3. < 60 ft. of grouted casing   |        |        |        |        |        |
| 4. Casing not seated into aquifer supplying the well  |        |        |        |        |        |
| 5. Under direct influence of surface water  |        |        |        |        |        |
| If vulnerable, skip B. and C. below   |        |        |        |        |        |
| <b>B. PESTICIDE SUSCEPTIBILITY</b>  |        |        |        |        |        |
| 1. Triazine detect > 0.1 mg/l (Yes = Vulnerable Well)   |        |        |        |        |        |
| 2. Nitrate > 10.5 mg/l (Yes = Vulnerable Well)  |        |        |        |        |        |
| 3. Pesticide contamination source within 1200 ft.<br>(Yes to #3 = No Waiver = 4 Quarterly Samples)<br>___ Mnfr/mixing/storage site (Co-op)     ___ Military base/depot<br>___ Superfund site                     ___ ERRF site<br>___ SARA title III                     ___ Other: _____<br>___ Landfill |        |        |        |        |        |
| <b>C. INDUSTRIAL CHEMICAL USE (Pop. &gt; 500 only)</b><br>(Yes = No Waiver for that chemical = 4 Quarterly Samples)   |        |        |        |        |        |
| 1. Industrial Chemical contamination source within 1200 ft.<br>___ Paper Mill (Dioxin)     ___ Other _____<br>___ Foundry, Electroplating, Smelting (Cyanide)<br>___ Military base/depot (all)<br>___ Plastics manufacturing/molding (Phthalate, Adipate)   |        |        |        |        |        |
| <b>II. VOC AND EDB VULNERABILITY</b>  |        |        |        |        |        |
| <b>A. VOCS (Yes = Vulnerable to VOCs = No waiver)</b>   |        |        |        |        |        |
| 1. < 100 ft. of total casing  |        |        |        |        |        |
| 2. VOC detect(s)? (If yes attach results)   |        |        |        |        |        |
| 3. VOC contamination source within 1200 ft.<br>___ Superfund site     ___ Landfill     ___ Gas station<br>___ LUST site         ___ Spill         ___ Military base/depot<br>___ ERRF             ___ Other _____   |        |        |        |        |        |

(over)

|   | Well # | Well # | Well # | Well # | Well # |
|---|--------|--------|--------|--------|--------|
| <b>B. EDB (Yes = Vulnerable to EDB)</b>                                   |        |        |        |        |        |
| 1. VOC detect of:   |        |        |        |        |        |
| ___ Benzene              ___ Toluene              ___ 1,2 Dichloropropane |        |        |        |        |        |
| ___ Ethyl benzene      ___ Xylene   |        |        |        |        |        |
| <b>III. ASBESTOS VULNERABILITY (Yes = Vulnerable = No waiver)</b>         |        |        |        |        |        |
| 1. Asbestos cement pipe used in distribution system                       |        |        |        |        |        |
| ___ Corrosive water (e.g. Langelier index < -1)                           |        |        |        |        |        |
| 2. Previous asbestos detect > 7 Million fibers > 10 microns               |        |        |        |        |        |
| <b>IV. COAL TAR (BENZO(A)PYRENE) VULNERABILITY</b>                        |        |        |        |        |        |
| Pop. > 500 only   |        |        |        |        |        |
| 1. Coal tar is used to line or seal pipes or storage tanks                |        |        |        |        |        |



|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <b>SUMMARY:</b>   |  |  |  |  |  |
| Vulnerable to: (Y = Yes, N = No, P = Pending Analytical Data) |  |  |  |  |  |
| Pesticides  |  |  |  |  |  |
| Industrial Chemicals  |  |  |  |  |  |
| Method 525 Compounds  |  |  |  |  |  |
| Dioxin  |  |  |  |  |  |
| Cyanide   |  |  |  |  |  |
| VOCs  |  |  |  |  |  |
| Asbestos  |  |  |  |  |  |
| Benzo(A)Pyrene  |  |  |  |  |  |
| EDB   |  |  |  |  |  |
| Other   |  |  |  |  |  |